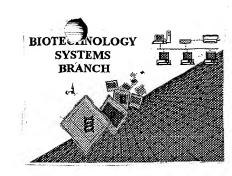
## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/942,596Source: 0/16Date Processed by STIC: 9/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: <a href="mailto:patin21help@uspto.gov">patin21help@uspto.gov</a> or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: <a href="mailto:patin3help@uspto.gov">patin3help@uspto.gov</a> or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## **Checker Version 3.0**

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/942,596

DATE: 09/18/2001 MP /- 4 TIME: 11:27:09

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\I942596.raw

same end

Does Not Comply Corrected Diskette Needed

2 <110> APPLICANT: Canon INC.

3 <120> TITLE OF INVENTION: Method of analyzing base sequence of nucleic W-->

W--> 4 acid

W--> 5 <130> FILE REFERENCE: CFO 15718

C--> 6 <140> CURRENT APPLICATION NUMBER: US/09/942,596

C--> 6 <141> CURRENT FILING DATE: 2001-08-31

6 <150> PRIOR APPLICATION NUMBER: JP 263506/2000

W--> 7 (160> NUMBER OF SEQ ID: 66

-) <1517 ensent Alex numeri edentifici and de vegrence, serce <1507

is shown

(global)

## ERRORED SEQUENCES

W--> 8 <210> SEQ ID NO: 1

9 <211> LENGTH: 18

10 <212> TYPE: DNA

11 <213> ORGANISM: Artificial sequence

W--> 12 <220> FEATURE:

18 t- ersert cumulative bose totel at right margin of loch line 13 <223> OTHER INFORMATION: Sample oligonucleotide

W--> 14 <400> SEQUENCE: 1

E--> 15 gatgggactc aagttcat

16 <210> SEQ ID NO: 2

17 <211> LENGTH: 18

18 <212> TYPE: DNA

19 <213> ORGANISM: Artificial sequence

W--> 20 <220> FEATURE:

21 <223> OTHER INFORMATION: Sample oligonucleotide

W--> 22 <400> SEQUENCE: 2

E--> 23 gatgggactc aggttcat

24 <210> SEQ ID NO: 3

25 <211> LENGTH: 18

26 <212> TYPE: DNA

27 <213> ORGANISM: Artificial sequence

W--> 28 <220> FEATURE:

29 <223> OTHER INFORMATION: Sample oligonucleotide

W--> 30 **<400>** SEQUENCE: 3

E--> 31 gatgggactc acgttcat

32 <210> SEQ ID NO: 4

33 <211> LENGTH: 18

34 <212> TYPE: DNA

35 <213> ORGANISM: Artificial sequence

W--> 36 <220> FEATURE:

37 <223> OTHER INFORMATION: Sample oligonucleotide

W--> 38 <400> SEQUENCE: 4

E--> 39 gatgggactc atgttcat

40 <210> SEQ ID NO: 5

41 <211> LENGTH: 18

42 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/942,596

DATE: 09/18/2001 TIME: 11:27:09

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\1942596.raw

```
43 <213> ORGANISM: Artificial sequence
W--> 44 <220> FEATURE:
     45 <223> OTHER INFORMATION: Sample oligonucleotide
W--> 46 <400> SEQUENCE: 5
                                                           same
E--> 47 gatgggactc gagttcat
     48 <210> SEQ ID NO: 6
     49 <211> LENGTH: 18
     50 <212> TYPE: DNA
     51 <213> ORGANISM: Artificial sequence
W--> 52 <220> FEATURE:
W--> 54 (400) SEQUENCE: 6 uset a spore of the lock group 1/0 basis in a non-coding E--> 55 gatgggactegggtcat insert a spore of the lock group 1/0 basis in a non-coding sequence 56 (210) SEQ ID NO: 7
    .53 <223> OTHER INFORMATION: Sample oligonucleotide
     57 <211> LENGTH: 18
     58 <212> TYPE: DNA
     59 <213> ORGANISM: Artificial sequence
W--> 60 <220> FEATURE:
     61 <223> OTHER INFORMATION: Sample oligonucleotide
W--> 62 <400> SEQUENCE: 7
E--> 63 gatgggactc gcgttcat
     64 <210> SEQ ID NO: 8
     65 <211> LENGTH: 18
     66 <212> TYPE: DNA
     67 <213> ORGANISM: Artificial sequence
W--> 68 <220> FEATURE:
     69 <223> OTHER INFORMATION: Sample oligonucleotide
W--> 70 <400> SEQUENCE: 8
E--> 71 gatgggactc gtgttcat
     72 <210> SEQ ID NO: 9
     73 <211> LENGTH: 18
     74 <212> TYPE: DNA
     75 <213> ORGANISM: Artificial sequence
W--> 76 <220> FEATURE:
     77 <223> OTHER INFORMATION: Sample oligonucleotide
W--> 78 <400> SEQUENCE: 9
                                 some
E--> 79 gatgggactc cagttcat
     80 <210> SEQ ID NO: 10
     81 <211> LENGTH: 18
     82 <212> TYPE: DNA
     83 <213> ORGANISM: Artificial sequence
W--> 84 <220> FEATURE:
     85 <223> OTHER INFORMATION: Sample oligonucleotide
W--> 86 <400> SEQUENCE: 10
E--> 87 gatgggactc cggttcat
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88 <210> SEQ ID NO: 11 89 <211> LENGTH: 18 90 <212> TYPE: DNA

91 <213> ORGANISM: Artificial sequence

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/942,596

DATE: 09/18/2001 TIME: 11:27:09

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\1942596.raw

- W--> 92 <220> FEATURE:
  - 93 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 94 <400> SEQUENCE: 11
- 'E--> 95 gatgggactc ccgttcat Same
  - 96 <210> SEQ ID NO: 12
  - 97 <211> LENGTH: 18
  - 98 <212> TYPE: DNA
  - 99 <213> ORGANISM: Artificial sequence
- W--> 100 <220> FEATURE:
  - 101 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 102 <400> SEQUENCE: 12
- E--> 103 gatgggactc ctgttcat Asne
  - 104 <210> SEQ ID NO: 13
  - 105 <211> LENGTH: 18
  - 106 <212> TYPE: DNA
  - 107 <213> ORGANISM: Artificial sequence
- W--> 108 <220> FEATURE:
  - 109 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 110 <400> SEQUENCE: 13
- E--> 111 gatgggactc tagttcat Name
  - 112 <210> SEQ ID NO: 14
  - 113 <211> LENGTH: 18
  - 114 <212> TYPE: DNA
  - 115 <213> ORGANISM: Artificial sequence
- W--> 116 <220> FEATURE:
  - 117 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 118 <400> SEQUENCE: 14
- E--> 119 gatgggactc tggttcat
  - 120 <210> SEQ ID NO: 15
    - 121 <211> LENGTH: 18
    - 122 <212> TYPE: DNA
  - 123 <213> ORGANISM: Artificial sequence
- W--> 124 <220> FEATURE:
  - 125 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 126 <400> SEQUENCE: 15
- E--> 127 gatgggactc tcgttcat Admi
  - 127 gatgggaete tegeteat
    - 128 <210> SEQ ID NO: 16 129 <211> LENGTH: 18
      - 130 <212> TYPE: DNA
      - 131 <213> ORGANISM: Artificial sequence
- W--> 132 <220> FEATURE:
  - 133 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 134 <400> SEQUENCE: 16
- E--> 135 gatgggactc ttgttcat Name
  - 136 <210> SEQ ID NO: 17
  - 137 <211> LENGTH: 18
  - 138 <212> TYPE: DNA
  - 139 <213> ORGANISM: Artificial sequence
- W--> 140 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/942,596

DATE: 09/18/2001 TIME: 11:27:09

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\I942596.raw

- 141 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 142 <400> SEQUENCE: 17
- E--> 143 gatggggctc aagttcat
  - 144 <210> SEQ ID NO: 18
  - 145 <211> LENGTH: 18
  - 146 <212> TYPE: DNA
  - 147 <213> ORGANISM: Artificial sequence
- W--> 148 <220> FEATURE:
  - 149 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 150 <400> SEQUENCE: 18
- E--> 151 gatggggctc aggttcat
  - 152 <210> SEQ ID NO: 19
  - 153 <211> LENGTH: 18
  - 154 <212> TYPE: DNA
  - 155 <213> ORGANISM: Artificial sequence
- W--> 156 <220> FEATURE:
  - 157 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 158 <400> SEQUENCE: 19
- E--> 159 gatggggctc acgttcat Asse
  - 160 <210> SEQ ID NO: 20
  - 161 <211> LENGTH: 18
  - 162 <212> TYPE: DNA
  - 163 <213> ORGANISM: Artificial sequence
- W--> 164 <220> FEATURE:
  - 165 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 166 <400> SEQUENCE: 20
- E--> 167 gatggggctc atgttcat
  - 168 <210> SEQ ID NO: 21
  - 169 <211> LENGTH: 18
  - 170 <212> TYPE: DNA
  - 171 <213> ORGANISM: Artificial sequence
- W--> 172 <220> FEATURE:
  - 173 <223> OTHER INFORMATION: Sample oligonucleotide
- W--> 174 <400> SEQUENCE: 21
- E--> 175 gatggggctc gagttcat

same

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/942,596

DATE: 09/18/2001 TIME: 11:27:10

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\I942596.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier L:5 M:283 W: Missing Blank Line separator, <130> field identifier L:6 M:270 C: Current Application Number differs, Replaced Current Application No ·L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:7 M:283 W: Missing Blank Line separator, <160> field identifier L:8 M:283 W: Missing Blank Line separator, <210> field identifier L:12 M:283 W: Missing Blank Line separator, <220> field identifier L:14 M:283 W: Missing Blank Line separator, <400> field identifier L:15 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:1 L:20 M:283 W: Missing Blank Line separator, <220> field identifier L:22 M:283 W: Missing Blank Line separator, <400> field identifier L:23 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:2 L:28 M:283 W: Missing Blank Line separator, <220> field identifier L:30 M:283 W: Missing Blank Line separator, <400> field identifier L:31 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:3 L:36 M:283 W: Missing Blank Line separator, <220> field identifier L:38 M:283 W: Missing Blank Line separator, <400> field identifier L:39 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:4 L:44 M:283 W: Missing Blank Line separator, <220> field identifier L:46 M:283 W: Missing Blank Line separator, <400> field identifier L:47 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:5 L:52 M:283 W: Missing Blank Line separator, <220> field identifier L:54 M:283 W: Missing Blank Line separator, <400> field identifier L:55 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:17 SEQ:6 L:55 M:252 E: No. of Seq. differs, <211>LENGTH:Input:18 Found:17 SEQ:6 L:60 M:283 W: Missing Blank Line separator, <220> field identifier L:62 M:283 W: Missing Blank Line separator, <400> field identifier L:63 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:7 L:68 M:283 W: Missing Blank Line separator, <220> field identifier L:70 M:283 W: Missing Blank Line separator, <400> field identifier L:71 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:8 L:76 M:283 W: Missing Blank Line separator, <220> field identifier L:78 M:283 W: Missing Blank Line separator, <400> field identifier L:79 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:9 L:84 M:283 W: Missing Blank Line separator, <220> field identifier L:86 M:283 W: Missing Blank Line separator, <400> field identifier L:87 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:10 L:92 M:283 W: Missing Blank Line separator, <220> field identifier L:94 M:283 W: Missing Blank Line separator, <400> field identifier L:95 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:11 L:100 M:283 W: Missing Blank Line separator, <220> field identifier L:102 M:283 W: Missing Blank Line separator, <400> field identifier L:103 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:12 L:108 M:283 W: Missing Blank Line separator, <220> field identifier L:110 M:283 W: Missing Blank Line separator, <400> field identifier L:111 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:13 L:116 M:283 W: Missing Blank Line separator, <220> field identifier L:118 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY PATENT APPLICATION: US/09/942,596

DATE: 09/18/2001 TIME: 11:27:10

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\1942596.raw

```
L:119 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:14
L:124 M:283 W: Missing Blank Line separator, <220> field identifier
L:126 M:283 W: Missing Blank Line separator, <400> field identifier
.L:127 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:15
L:132 M:283 W: Missing Blank Line separator, <220> field identifier
L:134 M:283 W: Missing Blank Line separator, <400> field identifier
L:135 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:16
L:140 M:283 W: Missing Blank Line separator, <220> field identifier
L:142 M:283 W: Missing Blank Line separator, <400> field identifier
L:143 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:17
L:148 M:283 W: Missing Blank Line separator, <220> field identifier
L:150 M:283 W: Missing Blank Line separator, <400> field identifier
L:151 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:18
L:156 M:283 W: Missing Blank Line separator, <220> field identifier
L:158 M:283 W: Missing Blank Line separator, <400> field identifier
L:159 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:19
L:164 M:283 W: Missing Blank Line separator, <220> field identifier
L:166 M:283 W: Missing Blank Line separator, <400> field identifier
L:167 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:20
L:172 M:283 W: Missing Blank Line separator, <220> field identifier
L:174 M:283 W: Missing Blank Line separator, <400> field identifier
L:175 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:21
L:180 M:283 W: Missing Blank Line separator, <220> field identifier
L:182 M:283 W: Missing Blank Line separator, <400> field identifier
L:183 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:22
L:188 M:283 W: Missing Blank Line separator, <220> field identifier
L:190 M:283 W: Missing Blank Line separator, <400> field identifier
L:191 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:23
L:199 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:24
L:207 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:25
L:215 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:26
L:223 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:27
L:231 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:28
L:239 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:29
L:247 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:30
L:255 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:31
L:263 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:32
L:271 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:33
L:279 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:34
L:287 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:35
L:295 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:36
L:303 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:37
L:311 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:38
L:319 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:39
L:327 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:40
L:335 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:41
L:343 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:42
L:351 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:43
L:359 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:44
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VERIFICATION SUMMARY

DATE: 09/18/2001 PATENT APPLICATION: US/09/942,596 TIME: 11:27:10

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09182001\I942596.raw

L:367 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:45 L:375 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:46 L:383 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:47 L:391 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:48 L:399 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:49 L:407 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:50